

AMENDMENTS TO THE CLAIMS

1. (Cancelled)

2. (Cancelled)

3. (Previously Presented) An optical pick-up device comprising:
a light source provided with a holographic unit adapted to diffract a light beam;
an optical disc adapted to allow data to be written thereof or to be read therefrom;
a monitor photodiode served to monitor a laser power of the light source;
and
a lens for light collection arranged between the light source and the monitor photodiode and adapted to converge a first-order diffracted beam outputted from the holographic unit and to apply the converged first-order diffracted beam to the monitor photodiode, including:
a lens face for converging the first-order diffracted light beam;
a total reflective face for totally reflecting the converged first-order diffracted beam; and
an exit face for transmitting the reflected first-order diffracted beam to the monitor photodiode,

wherein the lens face has a spherical shape convex toward the light source.

4. (Previously Presented) An optical pick-up device comprising:
a light source provided with a holographic unit adapted to diffract a light beam;

an optical disc adapted to allow data to be written thereof or to be read therefrom;

a monitor photodiode served to monitor a laser power of the light source;
and

a lens for light collection arranged between the light source and the monitor photodiode and adapted to converge a first-order diffracted beam outputted from the holographic unit and to apply the converged first-order diffracted beam to the monitor photodiode, including:

a lens face for converging the first-order diffracted light beam;

a total reflective face for totally reflecting the converged first-order diffracted beam; and

an exit face for transmitting the reflected first-order diffracted beam to the monitor photodiode,

wherein facing edges of the reflective face and the exit face are in contact with each other.

5. (Previously Presented) An optical pick-up device comprising:

a light source provided with a holographic unit adapted to diffract a light beam;

an optical disc adapted to allow data to be written thereof or to be read therefrom;

a monitor photodiode served to monitor a laser power of the light source; and

a lens for light collection arranged between the light source and the monitor photodiode and adapted to converge a first-order diffracted beam outputted from the holographic unit and to apply the converged first-order diffracted beam to the monitor photodiode, including:

a lens face for converging the first-order diffracted light beam;

a first reflective face for totally reflecting the converged first-order diffracted beam passing through the lens face;

a second reflective face for totally reflecting again the reflected first-order diffracted beam; and

an exit face for transmitting the first-order diffracted beam, repeatedly reflected, to the monitor photodiode.

6. (Original) The optical pick-up device according to claim 5, wherein the first and second reflective faces are parallel with each other so that the first-order diffracted beam is repeatedly totally reflected.

7. (Original) The optical pick-up device according to claim 5, wherein the lens for light collection further comprises an optical waveguide arranged between the first and second reflective faces to guide the first-order diffracted beam to the monitor photodiode.

8. (Original) The optical pick-up device according to claim 5, wherein the exit face has an inclined shape with respect to the first-order diffracted beam traveling along the optical waveguide.

9. (Original) The optical pick-up device according to claim 5, wherein the monitor photodiode is coupled to the exit face while facing the exit face.

10-18 (Cancelled)